



STR561

Indicator - Indicatore



User manual - Manuale installatore

1 Model identification

Model 24..230 Vac/Vdc +/-15% 50/60 Hz – 8 VA

STR561-12ABC-T128R 2 Relays 2A + 1 output mA + 2 D.I.+ RS485 + OLED display + Rfid

2 Technical Data

2.1 General data

Display	Backlighting graphic OLED 2.42" (STR561)
Operating temperature	Temperature 0-40 °C - Humidity 35..95 Rh%
Sealing	IP54 front panel (with gasket) - IP20 box and terminals
Material	Box: Polycarbonate V0
Weigh	Approx. 165 g

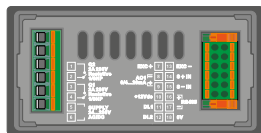
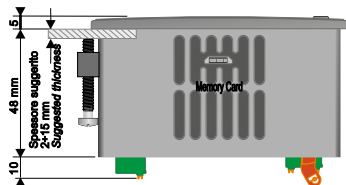
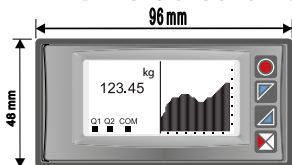
3 Hardware data

Power supply	Extended power supply range 24..230 Vac/Vdc $\pm 15\%$ 50/60 Hz	Consumption: 8 VA.
Analogue input	IN+ / IN- Differential input, software-configurable - for strain-gauge (load cells or Melt sensors), max 7,5 mV/V with 5V power supply (max 4 cells 350 Ω in parallel). - for potentiometer (min. 200 Ω , 5V power supply).	Tolerance (25 °C) +/-0.2% ± 1 digit (f.s.) Impedance Ri>1 M Ω
Relay outputs	2 Relays	Contacts 2A - 250 Vac. Resistive charge.
Analogue output	Config. as 0..20mA or 4..20mA.	Resolution 16bit +/-0.2% (F.s.)

3.1 Software data

Alarms regulation	ON/OFF with hysteresis
Alarm mode	Absolute / Threshold, Band with instantaneous / delayed / retentive action/activation by digital input , Sensor failure / Activation by serial line / net weight / Gross weight / Stable weight / Sum
Sum Function	By digital input or by keyboard it is possible to sum different process measurements over time
Totalizer Function	Visualisation of instant process value and total value since last reset
Trend visualization	Trend visualisation up to 59 samples, with selectable time basis 0,1 s to 3600 s
Analogue retransmission	Process values / alarm value via analogue output
Digital transmission	Process values / Setpoint / Parameters via RS485
Calibration function	Following options are available for calibration procedure: <ul style="list-style-type: none">• Calibration with 2-points sampling value• Calibration on full scale % value• Calibration value mV/V.
Data logging function	Selectable time basis 1s to 3600s, tot. memory 1K samplings
Text menus	English / Italian / Deutsch / French / Spanish
Autozero	Measure reset at starting
Net / Gross	Net/gross weight function by key, digital input or serial.
Stability	Signaling of configurable stable weight

4 Dimensions and Installation



Dima di foratura
45 x 91 mm
Frontal panel cut-out

5 Electrical wirings



Although this controller has been designed to resist noises in an industrial environment, please notice the following safety guidelines:

- Separate control lines from the power wires.
- Avoid the proximity of remote control switches, electromagnetic meters, powerful engines.
- Avoid the proximity of power groups, especially those with phase control.

For permanently connected equipment:

- supply wiring must be ≥ 18 Awg with cables suitable for temperatures $> 70^\circ\text{C}$;
- for requirements about any external switch or circuit-breaker see EN 61010-1 par. 6.11.3.1 and about external overcurrent protection devices see EN 61010-1 par. 9.6.2; the switch or circuit-breaker must be near the equipment.